

AMENDMENTS TO THE CLAIMS

This listing of claims provided below will replace all prior versions and listings of claims in the application.

1. (Currently Amended): A distributor plate releasably mounted on a horizontal lower disc of a rotor for a vertical shaft impact crusher, said rotor having an opening for the intake of material to be crushed and at least one outflow opening for material leaving the rotor, wherein a shape of the distributor plate is an equilateral polygon as seen from above, wherein the distributor plate has a lower surface and an upper surface, and wherein the upper surface comprises an unbroken layer.

2. (Previously Presented): The distributor plate according to claim 1, wherein the shape of the distributor plate is selected from the group consisting of triangular, square, hexagonal, octagonal and nonagonal shapes.

3. (Previously Presented): The distributor plate according to claim 1, wherein the number of sides of the polygon being chosen is selected such that the number of sides is 1, 2 or 3 times the number of outflow openings of the rotor to which the distributor plate is mounted.

4. (Previously Presented): The distributor plate according to claim 3, wherein the number of sides is 2 times the number of outflow openings of the rotor.

5. (Previously Presented): The distributor plate according to claim 1, wherein at least one straight side edge of the distributor plate is parallel to an outflow direction of material leaving the rotor and is parallel and adjacent to a face of a lower wear plate protecting the lower disc from wear.

6. (Previously Presented): The distributor plate according to claim 1, wherein the distributor plate at the center of its lower face has a recess to make the distributor plate horizontally turnable around a vertical shaft mounted on the lower disc, such that the position of the distributor plate in relation to the lower disc may be adjusted before mounting the distributor plate.

7. (Previously Presented): The distributor plate according to claim 6, wherein the recess extends only through a part of the thickness of the distributor plate, the upper face of the distributor plate thus being unaffected by said recess.

8. (Previously Presented): The distributor plate according to claim 6, wherein the distributor plate has a lower surface which is located at a higher level than the upper surface of lower wear plates protecting the lower disc of the rotor, such that the distributor plate may be adjusted without removing the lower wear plates.

9. (Previously Presented): The distributor plate according to claim 1, wherein the upper face of the distributor plate comprises an unbroken layer of a hard metal.

10. (Previously Presented): The distributor plate according to claim 1, wherein the distributor plate comprises mounting means located at a vertical side edge of the

distributor plate for mounting of a vertical support fixing the distributor plate to the lower disc of the rotor.

11. (Withdrawn): A rotor for a vertical shaft impact crusher, the rotor having an opening for the intake of material to be crushed, at least one outflow opening for material leaving the rotor, and at least one lower wear plate and a distributor plate releasably mounted on a horizontal lower disc of the rotor, wherein the distributor plate has a shape defined by an equilateral polygon as seen from above, at least one straight side edge of the distributor plate being parallel to an outflow direction of material leaving the rotor and being parallel to and adjacent to a face of the lower wear plate.

12. (Previously Presented): The distributor plate according to claim 9, wherein the upper face of the distributor plate comprises an unbroken layer of tungsten carbide.

13. (Currently Amended): A distributor plate adapted to be releasably mounted on a horizontal lower disc of a rotor of a vertical shaft impact crusher, wherein a shape of the distribution plate is an equilateral polygon as seen from above, wherein the distributor plate has a lower surface and an upper surface, and wherein the upper surface comprises an unbroken layer.

14. (Previously Presented): The distributor plate according to claim 13, wherein the shape of the distributor plate is selected from the group consisting of triangular, square, hexagonal, octagonal, nonagonal, and dodecagonal shapes.

15. (Previously Presented): The distributor plate according to claim 13, further comprising a recess at the center of its lower face adapted to make the distributor plate horizontally turnable around a vertical shaft mounted on the lower disc, such that the position of the distributor plate in relation to the lower disc may be adjusted before mounting the distributor plate.

16. (Previously Presented): The distributor plate according to claim 15, wherein the recess extends only through a part of the thickness of the distributor plate, and wherein the upper face of the distribution plate is free of the recess.

17. (Previously Presented): The distributor plate according to claim 13, wherein the upper face of the distributor plate comprises an unbroken layer of a hard metal.

18. (Previously Presented): The distributor plate according to claim 13, wherein the upper face of the distributor plate comprises an unbroken layer of tungsten carbide.

19. (Previously Presented): The distributor plate according to claim 13, further comprising mounting means located at a vertical side edge of the distributor plate adapted for the mounting of a vertical support fixing the distributor to the lower disc of the rotor.

20. (Previously Presented): The distributor plate according to claim 19, wherein the mounting means comprises a hole with an inner thread adapted to receive a bolt.